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National Highway Traffic Safety Administration

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If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

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# TRANSPORTATION SCIENCES CENTER ACCIDENT RESEARCH SECTION

Division of Arvin/Calspan Buffalo, New York 14225

#### CALSPAN LIMITED ON-SITE AIR BAG DEPLOYMENT INVESTIGATION

CALSPAN CASE NO. 91-1

FLEET - 1988 ACURA LEGEND LS

LOCATION - OH

ACCIDENT DATE - 1991

Contract No. DTNH22-87-C-27169

## Prepared for:

U.S. Department of Transportation National Highway Traffic Safety Administration Washington, D.C. 20590

#### CALSPAN ON-SITE AIR BAG DEPLOYMENT INVESTIGATION

CALSPAN CASE NO. 91-1

FLEET - 1988 ACURA LEGEND LS LOCATION - OH

#### PRELIMINARY SUMMARY

This crash occurred at a four-leg intersection in the Common OH area in the latter part of the latter part o

At the time of the accident, the Acura was driven by an adult female who was 62" tall and weighed approximately 125 lbs. She was wearing the active 3-point lap and shoulder belt system. Belt usage was supported by a black loading transfer from the B-pillar mounted D-ring on the shoulder belt webbing. The diagonal transfer was located 55" upstream from the latchplate or 10.25" from the fully extended end of the shoulder belt webbing. The location of the D-ring transfer indicates that the driver was either wearing the belt system loose on her person, or was seated with the seat adjusted to the most forward position.

The full frontal area of the Acura impacted the right side area of another vehicle as it passed through the four leg intersection. Although the Acura was repaired at the time of on-site inspection, the auto body repairman stated that the frontal structure sustained minimal crush (approximately 4-6") and that it was displaced laterally to the vehicle's right, indicating an 11 o'clock direction of force. The damaged parts were available for inspection. Direct contact damage was 57.25" that extended across the entire frontal plane. The contact damage also extended onto the hood face of the Acura. The hood, bumper, grille, both front fenders, and the radiator support panel were replaced. The preliminary repair estimate totalled \$10,260.

As a result of the crash, the Acura's driver air bag system deployed. The driver's face contacted the nontethered air bag. Facial contact evidence on the bag indicated that the steering wheel was probably rotated 180° when she contacted the bag. A lipstick transfer was noted 1-3" left of center and 3.75-4.5" above the horizontal center line. A faint makeup transfer (probable right eye makeup) was also noted 4.75-5.5" above the horizontal center line and .5" to the right to 1" left of the vertical center line. The suspected eye makeup transfer was located on a fold crease that extended horizontally across the bag. The face of the air bag contained 4 horizontal fold lines that were nearly evenly spaced on 4.5" centers. The driver's contact with the air bag resulted in a corneal abrasion or laceration (AIS-1). She was not wearing eyeglasses or contact lenses.

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The crash investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points are coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-crash, crash, and post-crash movements of involved vehicles and occupants.

Because each crash is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

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Calspan Limited On-Site Air Bag Deployment Investigation				1991		
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National Highway Traffic Safety Administration						
Washington, D.C. 20590			14. Sponsoring Agency	Code		
15. Supplementary Notes Limited on-site investigation of an air bag deployment crash that involved a 1988 Acura Legend. The belted female driver sustained an eye injury from her contact with the air bag.						
This limited on-site investigation focuses on a 1988 Acura Legend that was involved in a front-to-side impact sequence with a 1985 Cadillac. The Acura was under repair at the time of Calspan's inspection of the vehicle; however, the air bag system was intact and the damaged components were available. The Acura sustained approximately 4-6" of frontal crush which resulted in a sufficient longitudinal deceleration to deploy the driver air bag system. The driver of the Acura was a 50-year-old female, 61", 129 lbs. She was wearing the active 3-point lap and shoulder belt system. Her face contacted the deployed air bag depositing lipstick and makeup transfers near the center area of the nontethered bag. As a result of her facial contact, the driver sustained a left corneal abrasion with peripheral retina hemorrhage, edema of the conjunctiva, hemorrhage of the eyelid, and hemorrhage of the anterior chamber of the eye (hyphema). She also sustained superficial abrasions of the left neck and shoulder from loading the active belt system.						
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#### CALSPAN LIMITED ON-SITE AIR BAG DEPLOYMENT INVESTIGATION

#### CALSPAN CASE NO. 91-1

FLEET - 1988 ACURA LEGEND LS LOCATION - OHIO

## SUMMARY

This crash occurred at a four-leg intersection in 1991 at the hours. The case vehicle was a 1988 Acura Legend LS, 4 dr. sedan, that was equipped with a supplemental driver air bag system. The Acura was driven by a 50-year-old female, 61" tall with a weight of 129 lbs. She was wearing the active 3-point lap and shoulder belt system.

The driver of the Acura approached the four-leg intersection at an estimated speed of 35-40 mph; however, she decelerated to approximately 20-25 mph as she entered the intersection on a green signal phase. A 1985 Cadillac entered the intersection from the Acura's right against a red signal phase. The frontal area of the air bag equipped Acura impacted the left side area of the Cadillac. Resultant directions of force were probably within the 1 o'clock sector for the Acura and 10 o'clock for the Cadillac. The Acura sustained a sufficient longitudinal deceleration to deploy the vehicle's driver air bag system. Although the Acura was under repair at the time of the constant on-site investigation, the auto body technician estimated frontal crush at 4-6" at the right front corner. He further stated that the frontal structure was displaced laterally to the left 3-4".

The front to side impact configuration rotated the Acura in a counter-clockwise direction, possibly resulting in a minor sideslap involving the right front fender and door of the Acura and the left rear side area of the Cadillac. There was minimal contact damage on the right front fender and right front door of the Acura.

The driver of the Acura was in a normal seated position at impact with both hands on the steering wheel. The driver's seat was adjusted to a forward position. As the air bag deployed, the steering wheel probably rotated 180° counterclockwise due to a driver pre-crash steering input and lateral displacement of the vehicle at impact. The driver initiated a forward trajectory and loaded the active 3-point belt system. Her loading force on the shoulder belt webbing produced a black plastic transfer on the webbing from the B-pillar mounted D-ring. She sustained a superficial abrasion of the left neck and left shoulder from her loading of the active shoulder belt webbing. The driver's face contacted the deployed air bag depositing lipstick and makeup transfers on the air bag. The lipstick transfer was located 0-.75" below the horizontal centerline and 1-3" left of the vertical centerline. The makeup transfer (probably eye makeup) was located 4.75 - 5.5" above the centerline and extended from .5" right to 1" left of the vertical centerline. (All measurements were taken with the wheel rotated 180° from a straight ahead

position.) Both transfers were located on horizontal fold creases of the air bag. The driver sustained a left corneal abrasion (AIS-1) with peripheral retina hemorrhage, edema of the conjunction, hemorrhage of the eyelid, and of the anterior chamber of the eye (hyphema). She was not wearing eyeglasses or contact lenses.

Following the crash, the driver was transported to her husband's office (ophthalmologist) where he treated her injury with eyedrops. She experienced a brief loss of vision (2 days) and has since recovered fully from the injury.

## CALSPAN ON-SITE AIR BAG DEPLOYMENT INVESTIGATION

## CALSPAN CASE NO. 91-1

FLEET - 1988 ACURA LEGEND LS LOCATION - OHIO

#### ACCIDENT DATA

Location:

4-leg intersection

City/Township:

ОН

Area/Type:

Urban/Commercial

Accident Date/Time:

1991 hours

Investigating Police

Agency:

Patrol

Accident Type:

Car/Car, front to side impact configuration

Air Bag Vehicle

Driver Injury Severity:

Minor (AIS-1)

## AMBIENCE

Viewing Conditions:

Daylight

Weather:

Clear

Precipitation:

None

Road Surface:

Dry

#### HIGHWAY

Air Bag Vehicle

road

Vehicle #2

Type:

route

Number of Lanes:

3

3

Surface:

Asphalt

Asphalt

Traffic Density:

Moderate

Moderate

Signals:

On-colors, overhead

signal system

Signs:

None pertinent

HIGHWAY (CONT'D.)

Air Bag Vehicle

Vehicle #2

Markings:

Yellow full barrier center lines, solid white edgelines

35 mph

35 mph

VEHICLES

Description:

Speed Limit:

1988 Acura Legend LS,

4 dr. sedan

1985 Cadillac Fleetwood,

2 dr. sedan

V.I.N.:

JH4KA4667J

Color:

White

Black

Odometer:

25,190.8 miles

Engine:

V-6, 2.7 liter

Transmission:

4-speed automatic overdrive, console mounted transmission

selector lever

Steering:

Power-assisted rack

and pinion

Brakes:

Power-assisted 4-wheel disc with anti-lock

Padding:

Upper, mid, and lower instrument panel, knee bolster, sunvisors, soft edged steering wheel rim and module cover, side door panels, door armrests, center console, adjustable head restraints

Active Restraints:

3-point lap and shoulder belts in the four outboard seated positions, center rear lap belt. The front seat active belt systems were equipped with adjustable B-pillar mounted D-rings.

Passive Restraints:

Supplemental driver air bag system that deployed as a result of the vehicle's frontal impact sequence with

the left side area of

vehicle #2

## VEHICLES (CONT'D.)

Air Bag Vehicle

Vehicle #2

Defects:

None

None

Tow Status:

Towed due to damage

Towed due to damage

#### VEHICLE DAMAGE

## Air Bag Vehicle

Vehicle #2

Exterior:

The frontal area of the Acura Legend sustained moderate damage from its impact with the left side of vehicle #2. At the time of Calspan's on-site investigation, the vehicle was under repair with all damaged components replaced. The damaged components (bumper, fenders, and hood) were available for inspection.

Vehicle #2 reportedly sustained moderate damage to the left passenger compartment area.

Maximum crush was estimated by the technician as 4-6", located at the right corner of the front bumper. He also reported that the front frame rails were displaced laterally to the left approximately 3-4", indicating a direction of force within the 1 o'clock sector.

Direct contact damage began at the right corner of the bumper facia and extended 57.25" to the left. Contact damage also extended onto the right front fender and door that probably occurred from a minor secondary sideslap.

CDC:

Primary - 01-FDEW-1 Secondary - 03-LYEW-1 10-LPEW-3 (estimated 09-LBEW-1

Repair

Cost:

\$10,260.88 inclusive of air bag module and crash sensor replacement

Interior
(Air Bag
Vehicle):

The interior of the Acura Legend did not sustain residual damage from exterior deformation or occupant contact. The air bag module cover opened in an H-configuration at the designated tear points as the bag deployed. At the time of deployment, the steering wheel was probably rotated 180° counterclockwise due to a driver steering input and impact-induced lateral displacement of the vehicle. The driver's face loaded the

#### VEHICLE DAMAGE (CONT'D.)

Interior
(Air Bag
Vehicle)
(Cont'd.):

deployed air bag depositing lipstick and suspected makeup transfers on the face of the bag. The lipstick transfer was located 0-.75" below the horizontal centerline and 1-3" left of the vertical centerline. The makeup transfer (possible eye makeup) extended 4.75 - 5.5" above and .5" right to 1" left of the reference centerlines. All measurements were taken with the steering wheel rotated 180° from a straight ahead position.

The driver was wearing the active 3-point lap and shoulder belt system. At impact, the inertia reel locked as the driver loaded the belt webbing. His loading force on the shoulder belt webbing pulled the webbing through the B-pillar mounted D-ring which produced a diagonally orientated black plastic transfer on the webbing. The transfer was located 55" from the latchplate retainer button that was affixed to the webbing or, with the belt fully extended from the retractor, the transfer was located 10.25" below the D-ring. At impact, the driver was seated in a forward position, close to the steering wheel, with the belt nearly fully extended from the retractor.

The continuous loop belt webbing was not replaced by the body shop.

## COLLISION SEQUENCE

Pre-Crash:

The Acura was traveling in a southerly direction at a driver estimated speed of 35-40 mph as she approached a four-leg intersection. She decelerated to approximately 20-25 mph as she entered the intersection on a green signal phase.

A 1985 Cadillac entered the intersection from the Acura's right against a red signal phase. The driver of the Acura probably steered in a counterclockwise direction and braked in an attempt to avoid impact. It was unknown if the driver of the Cadillac attempted avoidance action.

Crash:

The full frontal area of the Acura impacted the left passenger compartment area of the Cadillac. Resultant directions of force were probably within the 1 o'clock sector for the Acura and 10 o'clock for vehicle #2. The impact resulted in a sufficient longitudinal deceleration to deploy the Acura's driver air bag system. The driver contacted the deployed air bag and sustained injury to the left eye.

The Acura was rotated in a counterclockwise direction as it momentarily remained engaged with the Cadillac. Direct contact damage extended onto the right front fender and door, indicating a probable secondary sideslap with the left rear of vehicle #2.

## COLLISION SEQUENCE (CONT'D.)

Post-Crash:

The vehicles separated and came to rest within the intersection. The driver of the Acura refused medical treatment and requested transportation to her husband's office. He, an ophthalmologist, examined her left eye and treated the injury with eyedrops.

#### HUMAN FACTORS/OCCUPANT DATA

Vehicle #2 Air Bag Vehicle

73 year old male 50 year-old female Driver:

61" Height:

129 lbs. Weight:

3-point lap and Active Restraint shoulder belt system System Usage:

Vehicle inspection, Usage Source: driver interview

None Eyeglasses:

2 years Vehicle Familiarity:

Route Familiarity: Daily

Business trip Trip Plan:

Manner of Leaving Scene:

Private opthalmologist Type of Medical Treatment:

(driver's husband) hospital

Transported to a

AIR BAG DRIVER INJURIES

Source Severity Injury

Air bag Minor (FLA0-1) Left corneal abrasion with peripheral retina hemorrhage, edema of the conjunctiva, hemorrhage

Superficial abrasion of the

of the lid, and hemorrhage of the anterior chamber of

the eye (hyphema)

Shoulder belt webbing Minor (NLAI-1) left neck (no broken skin)

Shoulder belt webbing Minor (SLAI-1) Superficial abrasion of the

anterior left shoulder

#### AIR BAG DRIVER KINEMATICS

The driver of the Acura Legend was in a normal seated position with both hands on the steering wheel. Her seat was adjusted to a forward position with the seatback set nearly vertical. The driver was wearing the active 3-point lap and shoulder belt system. Belt usage was evidenced by the presence of routine wear marks on the latchplate, interview data, injury data, and a black transfer on the belt webbing from loading against the left B-pillar mounted D-ring.

At impact, the supplemental driver air bag system deployed as the driver initiated a forward trajectory in response to the frontal impact. The steering wheel was probably rotated 180° counterclockwise due to a probable pre-crash driver steering input and the lateral displacement of the vehicle from the 1 o'clock impact force. The driver's face contacted the nontethered air bag, depositing lipstick and makeup transfers on the face of the air bag. The lipstick transfer was located 0 - .75" below the horizontal centerline and 1 - 3" left of the vertical centerline. (The transfers were measured with the steering wheel rotated 180° from a straight-ahead position.) The makeup transfer (possible eye makeup) extended 4.75 - 5.5" above the centerline and from .5" right to 1" left of the vertical centerline. Both transfers were located on horizontal fold creases.

As a result of the driver's facial contact with the deployed air bag, she sustained a left corneal abrasion with peripheral retina hemorrhage, edema of the conjunctiva, hemorrhage of the eyelid, and hemorrhage of the anterior chamber of the eye (hyphema). She was not wearing eyeglasses or contact lenses.

The driver loaded the active 3-point belt system as she initiated her forward trajectory. Her loading force on the shoulder belt webbing produced a black plastic transfer from the B-pillar mounted D-ring. The driver sustained superficial abrasions of the anterior left neck and shoulder from the shoulder belt webbing. The active and passive restraint systems were effective in preventing the driver from contact with additional interior components and potential further injury.

The driver rebounded into the left front seatback where she came to rest.

#### AIR BAG SYSTEM

The 1988 Acura Legend was equipped with a supplemental driver air bag system that deployed at impact. The air bag was of typical construction and was vented by two ports that measured 1.5" in diameter. The venting ports were located on the back side of the bag (side away from driver) at the 11 and 1 o'clock positions. There was no residue on the inside surface of the ports or on the steering assembly adjacent to the venting ports. The air bag measured approximately 24" in diameter (deflated) and had no internal tether straps. The deployed air bag had four (4) horizontal fold creases that were spaced approximately 4.5" apart. There were also seven (7) less visible vertical fold lines spaced on 3" centers. Lipstick and probable eye makeup transfers were visible on the face of the bag. Both transfers were located at the horizontal fold creases.

## AIR BAG SYSTEM (CONT'D.)

The nontethered air bag was manufactured by the with the following identification stamped onto the bag:

SRS
MODEL NO.
MFG. DATE

The inflator assembly was manufactured by an and contained the following labeling:

DATE OF MFG.

PATENT NO.



Frontal Damage To The Acura Legend



Left Front Three-Quarter View Of The Repaired Acura Legend



Right Front Three-Quarter View Of The Acura Legend



Damaged And Replaced Frontal Components



Damage To The Bumper Facia And Reinforcement Bar



Hood Damage





Damaged Front Fenders



Overall Interior View Of The Deployed Air Bag
And Active 3-Point Belt, Webbing



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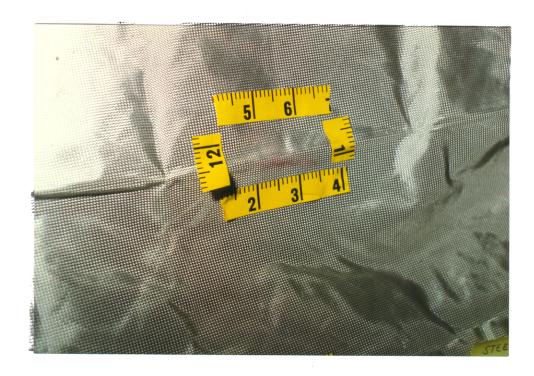
Air Bag Identification Numbers



Driver Facial Contact (Lipstick And Makeup Transfers) To The Deployed Air Bag



Closeup Views Of The Facial Contacts



Eye Makeup Transfer On A Fold Crease

13.



Closeup View Of The Lipstick Transfer



D-Ring Transfer On The Shoulder Belt Webbing From Driver Loading



Driver Knee Bolster, No Evidence Of Driver Contact

# SLIDE INDEX

Slide No(s).	Description
1	Driver injury mannequin (REMOVED FOR SANITIZATION)
2	Frontal view of the repaired Acura Legend
3,4	Left front three-quarter views
<b>5</b> · ·	Left side view
<b>6</b> ÷	Right front three-quarter view
7	Perpendicular view of the right frontal plane
8	Overall view of the interior, deployed driver air bag, and active 3-point lap and shoulder belt webbing
9	Length of belt webbing that was extended at time of crash
10,11	Driver facial contact to air bag, lipstick and makeup transfers
12,13	Closeup views of the transfers
14	Closeup view of the lipstick transfer
15	Closeup view of the eye makeup transfer on fold crease
16,17	D-ring transfer on belt webbing from driver loading













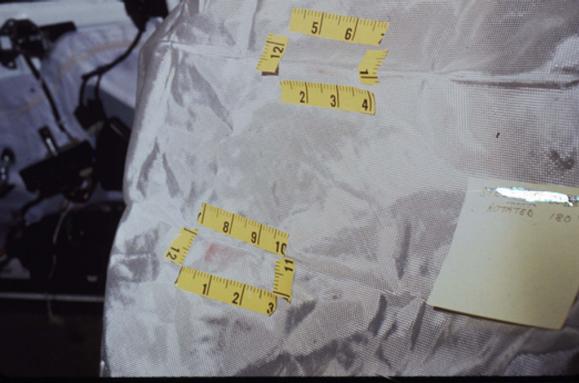




















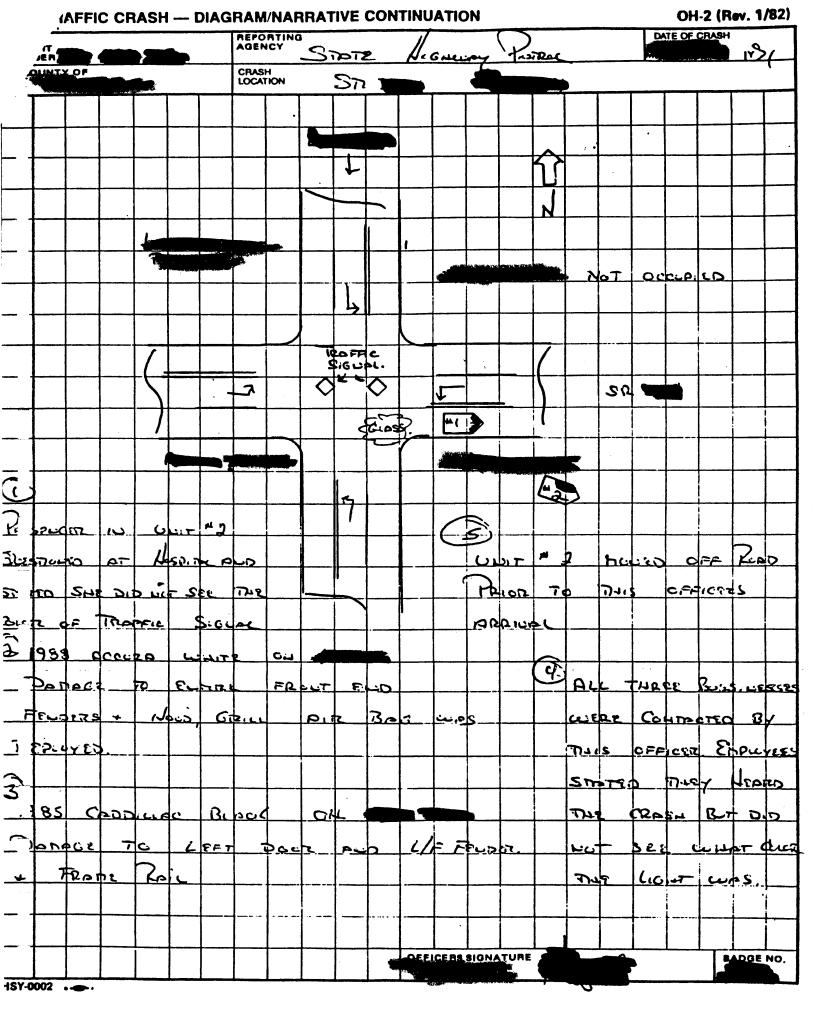
## APPENDIX A

Police Accident Report

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ORIVE	TO SCIRCI	FROM UNIT PROMUNIT	MAKE CAO S NAME (LA ADDRES	AST, FIRST.	MODEL F42 27 9 TOI 11 LOV 12 TRA	P DERCAR AD	COLO  G LI  DAMAGE  NO	SEVERION	TYLE OO TY TY TIONAL AL BII	O 1.1  DAMAGE  NONI  LIGH  THOATE	SCALE E MMO IT HE	PLATE N	O.  VEHICLE  DEF  RE  POSITI	E DISPOSITION AWAY EMAINED AT DOWED ON E F	SCENE	FATAL SERIOUS V	PENDER OF THE PROPERTY OF THE	DIR TOE
	TIS E CIRCUDAMA AREA	FROM UNIT NO.	MAKE CAO S NAME (LA ADDRES	3 4 3 AST, FIRST,	MODEL F42 27 9 TOI 11 LOV 12 TRA	P DERCAR AD	COLO  G LI  DAMAGE  NO	SEVERION	TYLE TY TY THONAL BIT MARKET BIT	O 1.1  DAMAGE  NONI  LIGH  THOATE	SCALE E MMO IT HE	PLATE N	O.  VEHICLE  DEFINITION  POSITION  C  DEFINITION  O  O  O  O  O  O  O  O  O  O  O  O	E DISPOSITION AWAY EMAINED AT DWED	SCENE	FATAL SERIOUS VISIBLE NOT INJUR	VEH/PED FROM OFIRE RE DUE TO THER FIRE JURIES D E ISIBLE ISIBLE INJURY	DIR TOE
ECTION	TO SE CIRCO DAMA AREA	FROM UNIT NO. FROM FROM	MAKE COO 2 NAME (L.) ADDRES: ADDRES:	3 4 3 AST, FIRST,	MODEL F42 27 5 18 UNI 11 LO 12 TRA MI)	P DERCAR AD	COLO  G LI  DAMAGE  NO	SEVERION	TYLE TY TY TIONAL AL PHONE	O 1.1  DAMAGE  NONI  LIGH  THOATE	SCALE E MMO IT HE AGE SEX AGE	PLATE N	O.  VEHICLE  DEFINITION  POSITION  C  DEFINITION  O  O  O  O  O  O  O  O  O  O  O  O	E DISPOSITION AWAY EMAINED AT DOWED	SCENE	FATAL SERIOUS VISIBLE NOT INJUR	PENDER OF THE PROPERTY OF THE	DIR TOE
SECTION	TIS E CIRCUDAMA AREA	FROM UNIT NO.	MAKE COO 2 NAME (L.) ADDRES: ADDRES:	AST, FIRST,	MODEL F42 27 5 10 UNI 11 LO 12 TRA MI)	P DERCAR AD	COLO  G LI  DAMAGE  NO	SEVERION	TYLE TY TY TIONAL AL PHONE PHONE	DAMAGE NON!	SCALE E MO OIT HE AGE SEX AGE SEX	PLATE N	O.  VEHICLE  DEFINITION  POSITION  C  DEFINITION  O  O  O  O  O  O  O  O  O  O  O  O	E DISPOSITION AWAY EMAINED AT DWED	SCENE  A  1  2  3  1  A  1	FATAL SERIOUS V MINOR VISIBLE NOT INJUR	VEH/PED FROM CO OFIRE RE DUE TO THER FIRE JURIES JU	DIR TOE
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ANT SECTION	TO SE CIRCO DAMA AREA	FROM UNIT NO.	MAKE  ADDRES  NAME (L.  ADDRES  NAME (L.  ADDRES  NAME (L.	AST, FIRST,  AST, FIRST,  AST, FIRST,  AST, FIRST,	MODEL F42 27  S TO UNI 11 LO 12 TRA MI) MI)	P DERCAR AD	COLO  G LI  DAMAGE  NO	SEVERION	TYLE TY TY TIONAL AL PHONE PHONE BII M   PHONE	DAMAGE NONE LIGHT	SCALE E MO IT HE.  AGE SEX AGE SEX AGE SEX AGE	PLATE N	POSITI	E DISPOSITION AWAY EMAINED AT DOWED TO THE PROPERTY OF THE PRO	SCENE  A  1  2  3  4  1  2  3  4	FATAL SERIOUS V SERIOUS VISIBLE NO VISIBLE NOT INJURE APPARENT SICK FATIQUED APPARENT	PENDER OF FIRE DURIES  JURIES	DIR TOE
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OKIO OCCUPANT SECTION	TO SCIRCE DAMA AREA	FROM UNIT NO.	NAME (L. ADDRES: NAME (	AST, FIRST, S AST, FIRST, S AST, FIRST, S RED TAKEN	MODEL  F42 27  s TOI 11 LO 12 TRA  MI)  MI)  MI)  TO  (2:07)	DERCAR AD AILER	COLO GLI DAMAGE NO DIS	SEVERING NOTION LABLING	TYLE TY TY TIONAL AL PHONE PHONE BII M   PHONE	DAMAGE NONI LIGHT	SCALE E MO IT HE.  AGE SEX AGE SEX AGE SEX AGE SEX	PLATE N DERATE AVY  A P 1 NOT 2 NOT 3 LAP 4 LAP 4 LAP 7 AIR 7 AIR	P-PEDEST RESTRA  C / C  USED ISANIAN BELT USE /SHOULDER BE	TRIAN  TR	A 1 1 2 3 4 5 6 7 7 A A 1 2 2 3 3 4 5 6 7 7	FATAL SERIOUS V MINOR VISIBILI NOT INJUP APPARENT SICK FATIGUED APPARENT PHYSICAL UNKNOWN AL TESTEE NO ALCOPHBO ABILI	VEH/PED FROM LO OFIRE RE DUE TO THER FIRE JURIES  JURIES ISIBLE I	TED ED PAIRED
CTION OCCUPANT SECTION	CIRC DAMA AREA	FROM UNIT NO.	MAKE  ADDRES  NAME (L.  ADDRES  NAME (L.  ADDRES  NAME (L.  ADDRES  O INJU  F R.C.  TY ORD:	AST, FIRST,  AST, FIRST,  AST, FIRST,  B  AST, FIRST,  B  AST, FIRST,  B  OFFENSE C	MODEL  F42 27  s TOI 11 LO 12 TRA  MI)  MI)  MI)  TO  (2:07)	DERCAR AD AILER	DAMAGE NO DIS	SEVERING NOTION LABLING	TYLE TY TY TIONAL AL PHONE PHONE BII M   PHONE	DAMAGE NONI LIGHT	SCALE E MO IT HE.  AGE SEX AGE SEX AGE SEX AGE SEX	PLATE N DERATE AVY  A P 1 NOT 2 NON 3 LAP 4 LAP 5 SHO 6 CHIR 6 USE	P-PEDEST RESTRA  I C D  I USED ILL  I E AVAILAI  BELT USE  JUL DER BE  LD SAFETY  REPORT  OF A SAFETY  E JECT	TRIAN AINTS BLE D RBELT USE LT USED (SEAT ) ONTED	A 4 1 1 2 3 4 5 6 7 7 A 4	FATAL SERIOUS V MINOR VISIBLI NOT INJUF  COMPANDATE OF THE COUNKNOWN  ALCOHOLOGY OF THE COUNKNOWN  ALCO	VEH/PED FROM LO FIRE RE DUE TO THER FIRE JURIES JUR	TESTED YES NO PAINED WN
OKIO OCCUPANT SECTION	TO SCIRCE DAMA AREA	FROM UNIT NO.  FROM UNIT NO.	MAKE  ADDRES  NAME (L.  ADDRES  NAME (L.  ADDRES  NAME (L.  ADDRES  C. INJU  F. INJU	AST, FIRST,  AST, FIRST,  AST, FIRST,  B  AST, FIRST,  B  AST, FIRST,  B  OFFENSE C	MODEL F42 2:  1 TO 10 TO	DESCRIPT	DAMAGE NO DIS	SEVERING NOTION CABLING	TYLE TY TY TIONAL AL PHONE PHONE BII M   PHONE	DAMAGE NONI LIGHT	SCALE E MO IT HE.  AGE SEX AGE SEX AGE SEX AGE SEX	PLATE N DERATE AVY  A P 1 NOT 2 NOT 3 LAP 4 LAP 4 LAP 7 AIR 7 AIR	P-PEDEST  P-PEDEST  P-PEDEST  RESTRA  C / C  USED  VEHICLE  P-PEDEST  RESTRA  C / C  VEHICLE  P-PEDEST  RESTRA  L C / C  VEHICLE  P-PEDEST  RESTRA  RESTRA  L C / C  VEHICLE  P-PEDEST  RESTRA  RESTRA	TRIAN AINTS BLE D RBELT USE LT USED (SEAT ) ONTED	A 4 1 1 2 3 4 5 6 7 7 A 4	FATAL SERIOUS VESTEL OT HAD ABILIHAD AB	VEH/PED FROM L  O FIRE RE DUE TO THER FIRE JURIES  ISIBLE	TESTED YES NO
I'VE ACTION OFFICE PANT SECTION	C C P P P P P P P P P P P P P P P P P P	FROM UNIT NO.	MAKE  ADDRES  NAME (L.  ADDRES  OF NAME (L.  ADDRES  OF NAME (L.)  ADDRES  OF NAME (L.)  ADDRES  OF NAME (L.)  OF NAME (L.)  OF NAME (L.)	AST, FIRST,  AST, FIRST,  AST, FIRST,  B  AST, FIRST,  S  AST, FIRST,  S  AST, FIRST,  PATCHED  OFFENSE C	MODEL F42 2:  S TOI 11 LO 12 TRA  MI)  MI)  MI)  ARRIVED OF SC	DESCRIPT  CLEAN	DAMAGE NO PURE DIS	SEVERING NOTION IABLING	TYLE TY TY TIONAL AL PHONE BII M   PHONE BII M   PHONE	DAMAGE  DAMAGE  NONI  LIGH  RITHDATE  D. IV  RITHDATE  D. IV	SCALE E MO IT HE AGE SEX AGE SEX AGE SEX AGE SEX	PLATE N  DERATE  A  P  1 NOT 2 NOM 3 LAP 4 LAP 4 LAP 6 CHII 7 AII 8 USE 1 NOT	P-PEDEST RESTRA  C C C  C SHOULDER BE LD SAFETY SHOULDER BE LD SAFETY C C C  EJECTED	TRIAN AINTS  BLE D RELT USE LT	A 4 1 1 2 3 4 5 6 7 7 A 4	FATAL SERIOUS V MINOR VISIBLI NOT INJUF  COMPANDATE OF THE COUNKNOWN  ALCOHOLOGY OF THE COUNKNOWN  ALCO	VEH/PED FROM L  O FIRE RE DUE TO THER FIRE JURIES  ISIBLE	TESTED YES NO PAINED WN
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ORT NO.	DESCRIBE WHAT HAPPE REFER TO UNITS BY NUMBER	HED			
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UNIT	# 1 Scu		Ü	ردع ر ۲ ۲۱۰	- eù
30.3	<u>uroll</u>	DRIURZE ST	STED THEY	ELTERED T	HE 16-16-
SECTION	من ۵	GREEN LIBHT	1 1	Lit # 2 #	
WEATHER 1 NO ADVERSE 4 FOG	HARMFU		<del></del>		SHOW NORTH WITH ARROW
ROAD CONDITIONS 1 DRY 4 ICE WET 5 DIRT/SAND INOW 6 OTHER	S SIDESW S ANGLE ONE MV	IPE MEETING IPE PASSING IN TRANSPORT OLLISION)			
LIGHT DAYLIGHT 4 DARK NO LIGHT DAWN 5 DARK-LIGHT DUSK 8 OTHER	GHTS 9 PEDES" 9 ANIMAI 10 TRAIN 11 PEDAL 12 OTHER 13 FIXED 14 OTHER	CYCLE NON-M V DBJECT DBJECT		Roppic Siousis	(
ROAD CONTOUR STRAIGHT LEVEL 3 CURVE C	EVEL 15 FALL F 16 OVERT 17 OTHER	ATION .	( <u>دُوْ</u> ر	ا ( -	
OCCURRENCE ON ROADWAY 3 OFF RIGHT OFF LEFT SIDE 4 ON OPPOS OF A DIV HIGHWA	SIDE 2 INTER ING LANE 3 DRIVE 4 RAILM 5 BRIDG	SECTION SECTION-RELATED WAY ACCESS DAD CROSSING E-PASSING OVER E-PASSING UNDER NTERSECTION	V		
SPECIAL AREA ROAD CONSTRUCTION MAINTENANCE AREA SCHOOL ZONE	BAMP	R CODE	<u> </u>		1 1 1
TYPE OF I	3 .24	PRE-CRASH ACTIONS	1 1	CONTRIBUTING FACTO	NON-DRIVER FACTOR
2 COMPACT 17 3 MID SIZE 16 4 FULL SIZE TRUCK 11 5 PICKUP 26 6 PANEL/YAN 2: 7 STRAIGHT TRUCK 8 STRAIGHT TRUCK	BUS SCHOOL CHURCH PUBLIC BUS EMERGENCY POLICE VEHICLE FIRE TRUCK AMBULANCE/RESCUE OTHER	DRIVER ACTIONS  1 GOING STRAIGHT  2 TURNING RIGHT  3 TURNING LEFT  4 TURNING ON RED LIGHT  5 U TURN  6 STOPPED TO TURN  7 STOPPED IN TRAFFIC  8 PARKING/UNPARKING  9 PARKED  10 BACKING  11 PASSING	PEDESTRIAN ACTIONS 18 CROSSING IN X-WALK 19 CROSSING OTHER THAN X-WALK 20 WALKING IN ROAD (WITH TRAFFIC) 21 WALKING IN ROAD (AGAINST TRAFFIC) 22 PLAYING IN ROAD 23 WORKING ON ROAD 24 ENTERING OR LEAVING VEHICLE 25 PUSHING/WORKING	DRIVER ERROR  1 NONE 2 FAILURE TO YIELD 3 UNSAFE SPEED 4 FOLLOWING TOO CLOSELY OR ACDA 5 RAN RED LIGHT 6 RAN STOP OR YIELD SIGN 7 IMPROPER TURN 8 IMPROPER PASSING 9 MPROPER LANE CHANGE	18 VEHICLE DEFECTS 19 LOAD SHIFTING FALLING, SPILLING 20 PAVEMENT DEFECT 21 SHOULDER DEFECT 22 DEBRIS ON ROAD 23 DOWNED TRAFFIC SIGN/DEVICE 24 VISION OBSTRUCTION 25 ANIMAL ACTIONS 26 PEDESTRIAN ACTIONS
9 TRUCK TRACTOR 40 TRACTOR & SEMITRAILER 21 TRACTOR &	MOTOR HOME 4 TRAIN 5 FARM VEHICLE 6 FARM EQUIPMENT 7 SNOWMOBILE	12 CHANGING LANES 13 MERGING/EXITING RAMP 14 OUT OF CONTROL 15 SWERVING	ON VEH IN ROAD 26 OTHER IN ROAD 27 ON SIDEWALK OR SHOULDER	10 IMPROPER BACKING 11 IMPROPER START FROM PARKED POSITION 12 STOPPED OR PARKED ILLEGALLY	VEHICLE DEFECTS CODE IF CONTRIBUTING FACTOR IS 18
MOTORCYCLE 2 12 MC UP TO 350CC 3 13 MC351CC TO 750CC 3 14 MC OVER 781CC 3	8 CONSTRUCTION EQUIP 9 ANIMAL W/RIDER 0 ANIMAL W/BUGGY 1 BICYCLE 2 ALL OTHERS	16 DRIVERLESS VEH 17 OTHER DRY ACTIONS TRAFFIC CONTROL	FIXED A B OBJECT STRUCK	13 LEFT OF CENTER 14 FAILURE TO CONTROL 15 DRIVER INATTENTION 16 DROVE OFF ROAD REASON UNKNOWN	PRIMARY A B
14 MOTORIZED BICYCLE	MC HELMET USE	DRIVER 1 NO CONTROLS 2 STOP SIGN 3 YIELD SIGN	1 NONE 2 UTILITY POLE 3 TRAFFIC SIGN 4 BRIDGE/CULVERT	TRUCK A B	SECOND-
	A B	4 TRAFFIC SIGNAL 5 TRAFFIC FLASHERS 6 SCHOOL ZONE 7 RAILROAD CROSSBUCKS 8 RAILROAD FLASHERS 9 RAILROAD GATES 10 CONSTR BARRICADES 11 POLICE OFFICER 12 PAVEMENT MARKINGS	S GUARD RAIL 6 FENCE 7 TREE 8 SHRUBBERY 9 CURB 10 DITCH 11 EMBANKMENT 12 BUILDING 13 MAIL BOX	1 EMPTY 2 PERISHABLE GOODS 3 GENERAL FREIGHT 4 METAL/HEAVY MACHINERY 5 HAZARDOUS GAS 6 HAZARDOUS LIQUID 7 HAZARDOUS SOLID 8 RADIOACTIVE MATERIAL	1 TURN SIGNALS 2 MEAD LAMPS 3 TAIL LAMPS 4 BRAKES 5 STEERING 6 TIRE BLOWOUT 7 WORN OR BLICK TIRES 8 TRAILER EQUIPMENT 0EFECTIVE 9 MOTOR TROUBLE 10 DISABLED FROM
PLEASE CHECK TO SEE THAT ALL BOXES ARE CLEAR ENOUGH TO BE MICROFILMED.	1 NO HELMET 2 FULL COVERAGE 3 FULL FACIAL COVER 4 OTHER TYPE HELME	13 OTHER PEDESTRIAN 14 NO CONTROLS 15 CROSSWALK LINES 16 WALK/DON'T WALK DEVIC	14 CONSTRUCTION BARRICADE 15 FIRE HYDRANT 16 OTHER OBJECT	TRUCK AXLES TRACTOR-TRAILER RIGS	PRIOR ACCIDENT 11 OTHER DEFECTS

18Y 0001 0+1230 4



TRAFFIC CRASH WITNESS STATE	EMENI	011-0 112 17
AL DEPORTING AGENCY		DATE OF CRASH

FOR LOCAL USE ONLY — DO NOT SUBMIT TO THE STATE EXCEPT FOR FATAL CRASHES

HEREBY MAKE THIS VOLUNTARY STATEMENT TO
AT Mas Prime
(OFFICERS NAME) (LOCATION)
I was Going Fast OU SR
OPPRODUING THE TRAFFIC LIGHT AT
THE TRAFFIC LIGHT WAS GREEN THE WHELE
Time I SAW IT. I DID UCT SEE ALY
TRAFFIC IN THE INTERSPECTION. AS I ENTERED
THE INTERSPOTION I GET HIT BIRCHID SIDE
By A CAR GOING SOUTH OU
QUES. Den FAST WERE YOU GOING
PUS. PROUT 25. 30 MPN.
·
DDRESS
JITNESS
SIGNATURE OFFICERS SIGNATURE
23 BEST AVAILABLE COPY

REPORTING AGENCY



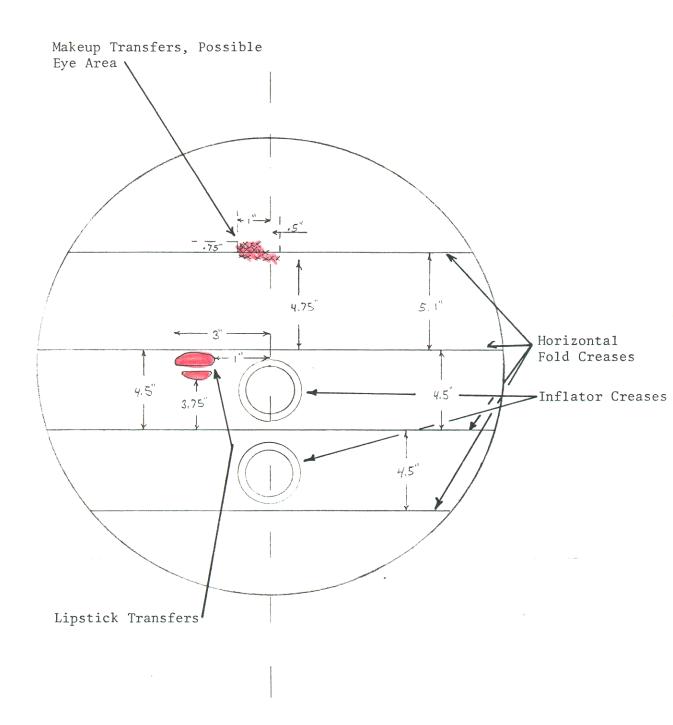
DATE OF GRASH

## FOR LOCAL USE ONLY - DO NOT SUBMIT TO THE STATE EXCEPT FOR FATAL CRASHES

·	
(PRINTED)	HEREBY MAKE THIS YOLUNTARY STATEMENT TO
AT _	
(OFFICERS NAME)	(LOCATION)
T was Going	SOUTH OLI APPROACHING
SR 3 THERE WAS A	COR DHOOD CE DE
BUD IT WEUT THAWGH	THE GREEN LIGHT
DUD I WENT ILTO	THE INTERSTATION DETER
IT. I SAW A CAR	שאומט פרבה הט היומטף
SR GO THROUGH T	HE RED LIGHT PUD
T HAD NO WHITE TO	GC ALD 11.7 17
30,25,ao51	
	•
QUES. WAS THE LIGHT	GREEN THE WALKE TIME
- You sow it	
ALS YES	
QUES. Now FOST WEIZE YO	EU GOLUG PROLT JOURS APRIL
Ans proof do 25 han	·
Quis Dia YW SEE THE	LIGHT PIFTER THE CHASH
Dus /15 17 cups S	THE GREEK FEZ MARN
BUTH TROFFIC	
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DRESS	PHONE
INESS /	RESIGNATURE
-0003 '	BEST AHATI ADLE DODY
	DEDI HABITARIF COLA

## APPENDIX B

Air Bag Contact Schematic



## APPENDIX C

Auto Body Repair Estimate

Page



HER COMMON "W" 

Insurance:

STREET.

SPECIALIZING IN IMPORT BODY REPAIR 

Vehicle Owner:

Work: Home:

Date of Loss:

Vehicle:

----88 ACURA LEGEND

62 AS

Mileage: Vehicle ID Number JH4KA4667JC

[	DAMAGE REPORT Written By			Lab	) T
	Item	Price			thr Pain
	Remove & Replace FRONT BUMPER COVER	\$ 217.26	2.3		2.4
C 2.	Remove & Replace FRONT BUNPER LIC. PLATE FRAME & BRACKET	\$ 18-18			
C 3.	Remove & Replace RIGHT FRONT FOG LAMP COVER	\$ 21.39	-0.2		
C 4.	Remove & Replace FRONT BUMPER IMPACT ABORS	\$ 54.98			
€ 5.	Remove & Replace FRONT BUMPER REINFORCEMENT BAR	\$ 172.27			
C 6.	Remove & Replace FRONT BUMPER LEFT & RIGHT STAY	\$ 43.52			
€ 7.	Remove & Replace FRONT BUMPER LEFT & RIGHT BUMPER CAP	\$ 6.74		•	
8 3	Renove & Replace FRONT BUNPER LEFT, & RIGHT SLIDE BRACKET	\$ 21.44			
C 9.	Remove & Replace FRONT BUMPER AIR SPOILER	\$ 43.77			
	Remove & Replace GRILLE	\$ 74.59	0.5		
C 11.	Remove & Replace GRILLE EMBLEM	\$ 11.50	0. 2		
C 12.	Remove & Replace GRILLE MOULDING	\$ 46.58	0. 2		
C 13.	Remove & Replace AC AMBRENT SENSOR	\$ 23.22	0.3		
C 14.	Aim Head Lights			0.4	
C 15	Remove & Replace RIGHT H/L ASSY.	\$ 190.00	0.2		
	Remove & Replace LEFT H/L ASSY	\$ 190.00	0.2		
	Remove & Replace RIGHT SIGNAL LAMP LENS	\$ 10.90			
C 18.	Remove & Replace LEFT SIGNAL LAMP LENS	\$ 10.90			
C 19.	Remove & Replace RIGHT PARK SIDE MARKER ASSY.	\$ 66.40	0.3		
	Remove & Replace LEFT PARK SIDE MARKER ASSY.	\$ 66.40	0.3		
C 21.	Remove & Replace RADIATOR	\$ 511.65	1.7		
C 22.	Renove & Replace CODLANT	\$ 18.00			
C 23.	Remove & Replace FAN SHROUD	\$ 61.73	1.3		
C 24.	Remove & Replace FAN BLADE	\$ 24.42			
	Remove & Replace FAN MOTOR	\$ 156.29			
	Remove & Replace WASHER BOTTLE ASSY	\$ <del>95</del> .10	0.8		
	Remove & Replace AIR CLEANER AIR FLOW TUBE	\$ 67.40	0.3		
C 28.	Remove & Replace A/C CONDENSER	\$ 346.59		0.9	
	Remove & Replace A/C RECHARGE & FREON	\$ 24.00		1.4	
C 30	Remove & Replace A/C RECEIVER DRIER	\$ 82.02		0.7	
	Remove & Replace A/C COOLING FAN	\$ 21.71		0.8	
C 32.	Remove & Replace A/C CODLING FAN MOTOR	\$ 159.30			
	Remove & Replace A/C FAN SHROUD	\$ 53.48			
_	Remove & Replace HOOD	\$ 279.74	1.5		4.5
	Remove & Replace HOOD HINGES LT. & RT.	\$ 38.52	0.4		0.4
	Remove & Replace HOOD LATCH	\$ 17.58	0.3		en e
	•				1.00



······ [	DAMAGE REPORT Written By				****		
	Item		rice	Met1	Mech	Othr	Paint
	Remove & Replace SAFETY HOOD LATCH		17.12				
38	Remove & Replace RIGHT HOOD PROP ROD STOCK	\$	52.50	0.2			
C 39.	Remove & Replace HOOD INSULATOR RETAINERS		30 - 60				
3 40	Remove & Replace HOOD INFO. LABELS	\$	16.00	0.6			
3 41 /	Remove & Replace RIGHT FENDER		207 00	2.3			2.6
42	Remove & Replace RIGHT FENDER SIDE HOULDING	•	19 26				
43.	Remove & Replace RIGHT FRONT FENDER CHROME MOULDING	\$	16 43				
44.	Remove & Replace RIGHT REAR FENDER CHRONE HOULDING	. \$	16.43				
45.	Remove & Replace RIGHT FENDER W/O MOULDING	\$	23.46	•			
3 46	Stripe RIGHT FENDER	\$	10.00				0.5
3 47.	Repair & Straighten RIGHT APRON	•		5.5			1.1
	Remove & Replace MOULDING CLIPS	\$	20.00				
49.	Remove & Replace LEFT FENDER	•	207.00	2.3			2.6
C 50.	Remove & Replace LEFT REAR FENDER HOULDING CHRONE	\$	16.43			•	
	Remove & Replace LEFT FENDER W/O MOULDING	6	23.46				
	Remove & Replace LEFT FENDER PIN STRIPE	\$	10.00	0.5			
	Repair & Straighten LEFT APRON			6.5			1.1
	Repair & Straighten LT. & RT. FRAME RAILS			6.0			2.0
	Remove & Replace RADIATOR SUPPORT		193.66	6.0			1.5
	Repair & Straighten LEFT DOOR			1.0			1.8
	Remove & Replace LEFT DOOR PIN STRIPE	\$	10.00	0.5			
	Renove & Replace REAR BUMPER COVER	\$	217.26	1.8			2.7
	Remove & Replace GLASS CLEAN UP	•		1.0			
	Refinishing Requires BLEND ADJ. PANELS						1.5
	Sublet Repairs ALIGN FRONT SUSPENSION	\$	45.00				
	Remove & Replace AIR BAG	\$	623.04				
	Sublet Repairs INSTALLMENT OF AIR BAG	\$	361.00				
	Remove & Replace AIR BAG SENSORS	· • • • • • • • • • • • • • • • • • • •				**	
C 65.	Sublet Repairs INSTALLMENT OF AIR BAG SENSOR						
	Remove & Replace ENGINE & SENSOR & ELECTRICAL					•	
	Sublet Repairs DEALER CHECK DIAGNOSTIC EQUIPMENT	· •	50.00				
	Sublet Repairs REGLAZE	Š	105.00				
	Bench Mount	•				4.0	
C 70.	Structurally Align UNIBODY					8.0	
C 71.	ADD'L PAINT LABOR CLEAR COAT PAINT					0.0	7.3
C 72.	Daint Matanial Countins		380 40				7.5
73.		,	66.00				
C 74.	•	•	15.00				
75.	hazardous waste removal	. •	10.00		•		
C 76.		•	90.00				
J 10.	iontili piitilis	•	3V · VV				

26.00 per hour

26.00 per hour

Damage Report



--- DAMAGE REPORT Written By

...

MECHANICAL LABOR \$ 126.00 .... 4.2 hours @ \$ 30.00 per hour

METAL LABOR \$ 1.175.20 ... 45.2 hours @ \$

STRUCTURAL LABOR \$ 360.00 ... 12.0 hours @ \$ 30.00 per hour

PAINT LABOR \$ 837.20 ....

PARTS \$ 5,427.20

PAINT MATERIALS \$ 461.40 1/

TOWING \$ 90.00 /

SUBLET \$ 637.00

SALES TAX \$ 451.20

DAMAGE REPORT TOTAL \$ 9.565,20

Insurance Pavable Repair Total

0.00

32.2 hours @ \$

Customer Payable, including Deductible \$ 9.565.20

9565204

Yes

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SPECIALIZING IN IMPORT BODY REPAIR

Vehicle Owner:

dd'1 METAL LABOR

0.5 Hrs

Work:

Vehicle: \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\*

88 ACURA LEGEND

62 AS

Mileage: 25190 Vehicle ID Number Insurance:

(800)

Policy:

Home: Date of Los		Vehicle JH4KA4		D Number JC		Policy: Claim No:		·
- SUPPLEMENT E Inspected By	BILL Writ	ten By	E	stimated		Actual	Diff ¢	b ' qq
Remove & Replace	FRONT	BUMPER LIC. PLATE FRAME & BRA	\$	, 18 18	<b>.</b> \$	24 (82) \$	6.64	Yes
RE IVE & Replace	FRONT	BUMPER REINFORCEMENT BAR	#	172.27	:4:	244.05 \$	71.78	Yes
Remove & Replace		HOOD LATCH	4;	17.58	t 16 ,	. 58.81 \$	41.23	Yes
Re ove & Replace	RIGHT	FENDER W/O MOULDING	115	23.46	4;	32.44 \$	8.98	Yes
Remove & Replace	LEFT REAR	FENDER MOULDING CHRONE	\$	16.43	\$	23.35 \$	6.92	Yes
Remove & Replace	LEFT	FENDER W/O HOULDING	4;	23.46	4;	32.44 \$	8.98	Yes
Re ive & Replace Jd'1 MECHANICAL LABOR	0.7 Hrs	UPPER AIR CONDITIONING LINE 3	4);		<b>9</b> ;	36 - 67 \$	36.67	Yes Yes
RE THE & Replace	0.7 Hr:	LOWER AIR CONDITIONING LINE	≾ti	••••	<b>4</b> i.	106.44 \$	106 44	Yes Yes
Remove & Replace id'l METAL LABOR	0.7 Hr:	LOWER RADIATOR HOSE	1i	•••	শ্রঃ	11 37 \$	11.37	Yes Yes
Remove & Replace id'l METAL LABOR	FRONT 0.8 Hrs	HOTOR HOUNT	·ss		#	, 70.97 \$	70.97	Yes Yes
Remove & Replace dd'l METAL LABOR	LEFT 0.6 Hr	AIR TUBE INTAKE	4)	<b></b> ,,	\$	13.89 \$	13.89	Yes Yes
Remove & Replace	RIGHT	HOOD LATCH PLATE	\$	` <del>****</del>	<b>\$</b>	18.03 \$	18.03	Yes
R Dve & Replace	RIGHT	LAMP TURNING ASSY.	4	· ····································	#	42.65 \$	42.65	Yes
Remove & Replace	RIGHT	INNER FENDER SKIRT	\$	***	\$	36.07 #	36.07	Yes

--- continued

Rebasir Order



Inspected	By 🖊		E: s	stilma ti	ee cl	Actuel		Diff	App 1
Rei /e & Replace	LEFT	INNER FENDER SKIRT 0.5 Hts	4;		\$	36 - 07	#	36.07	Yes Yes
Rei /e & Reolace / 1'1 METAL LABOR	RIGHT	RADIATOR SEAL 0.2 Hrs	41;		43	11.33	4)	11.33	Yes Yes
Repove & Replace	LEFT	RADIATOR SEAL	· 16	••••	\$	11.33	#	11.33	Yes
1 3'1 METAL LABOR		0.2 Hrs							Yes
1 3'1 METAL LABOR	- 118 111: No 111 111 111 1	0.2 Hrs	ENT BILL S	SUMMAR	Y	. en en en en en juster	· tro: <b>ja</b> n tro	en	Yes:
1 3'1 METAL LABOR		SUPPLEME	ENT BILL S	SUMMAR	Υ	. ere me me ene jue ne	, tra: <b>100</b> 1 teru	. 100 tota 100 tota 100 tota 100 tota	Y 69 55
1 3'1 METAL LABOR	Insurar	oce Company		SUMMAR	Υ	1 100 WH HIN 110 HIN 110 HI	**************************************		:::: :::: :::: t:::: :
/ J'1 METAL LABOR	Insurar 1 Parts	oce Company		SUMMAR	Y ====================================	1 100 100 100 100 100 100 100 100			2
Additions Parts Pri	Insurar 1 Parts	oce Company	,		Y		\$	394 - 8	2
Additions Parts Pri	Insurar 1 Parts ce Inci 1 MECH	SUPPLEME  Company  Co	1 . 4 · h:	r(s) @		00/hr	\$ \$;	394 - 8 144 - 9	2 3